

Title (en)
ULTRASOUND DIAGNOSTIC APPARATUS AND OPERATION METHOD OF ULTRASOUND DIAGNOSTIC APPARATUS

Title (de)
ULTRASCHALLDIAGNOSEVORRICHTUNG UND BETRIEBSVERFAHREN FÜR DIE ULTRASCHALLDIAGNOSEVORRICHTUNG

Title (fr)
APPAREIL DE DIAGNOSTIC À ULTRASON ET PROCÉDÉ DE FONCTIONNEMENT D'UN APPAREIL DE DIAGNOSTIC À ULTRASON

Publication
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Application
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Priority
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• EP 19174178 A 20190513

Abstract (en)
A control circuit of an ultrasound diagnostic apparatus having an ultrasound endoscope controls a transmission circuit to generate a transmission signal, which includes a diagnostic driving pulse applied to each of a plurality of ultrasound transducers that generate ultrasound waves for acquiring an ultrasound image, in the case of acquiring the ultrasound image, and controls the transmission circuit to generate a polarization driving pulse, which has a polarization driving voltage different from voltage of the diagnostic driving pulse within the same settable voltage range as the diagnostic driving pulse and has a frequency different from a probe frequency band for acquiring the ultrasound image, in order to perform the polarization processing of the plurality of ultrasound transducers in the case of performing the polarization processing.

IPC 8 full level
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CPC (source: EP US)
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Citation (search report)
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• [A] US 2012323514 A1 20121220 - NAKAZAWA YUSUKE [JP], et al
• [A] EP 1897498 A1 20080312 - OLYMPUS MEDICAL SYSTEMS CORP [JP]
• [AD] JP 2013005137 A 20130107 - SEIKO EPSON CORP

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DOCDB simple family (publication)
EP 3586980 A1 20200101; **EP 3586980 B1 20240207**; EP 4295962 A2 20231227; EP 4295962 A3 20240228; JP 2020000625 A 20200109; JP 2022172338 A 20221115; JP 2023171541 A 20231201; JP 7141868 B2 20220926; JP 7367152 B2 20231023; US 11471132 B2 20221018; US 11998396 B2 20240604; US 2020000438 A1 20200102; US 2023000471 A1 20230105

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